

FPT3000 Portable Tester Assembly

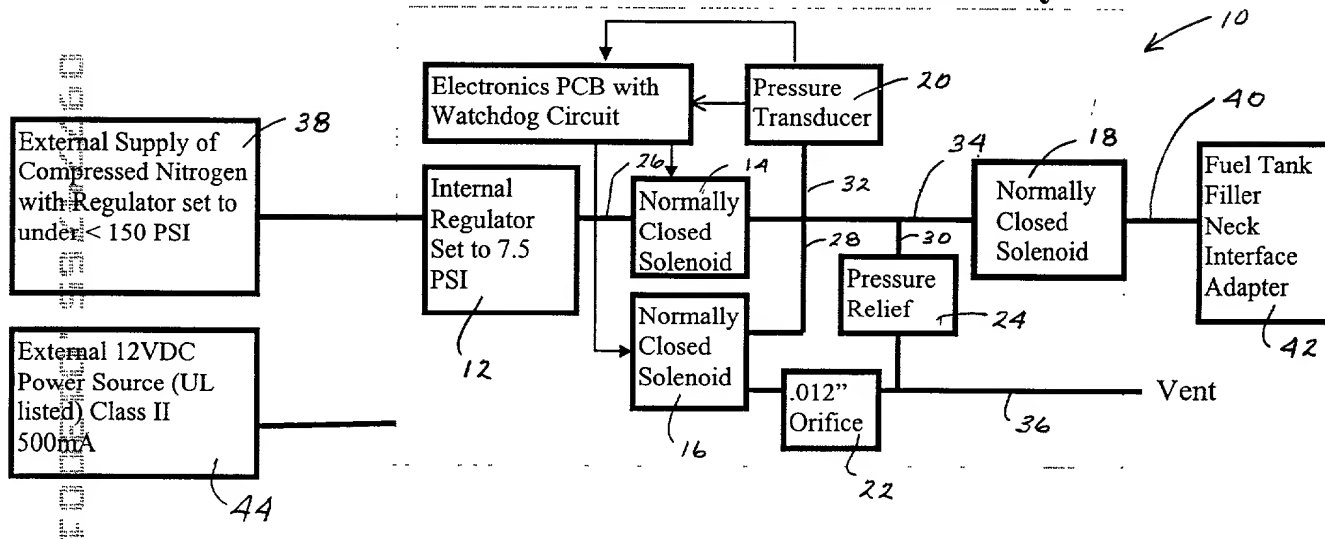


FIG. 1

FPT 3000 Evaporative System Pressure Tester Electronics Block Diagram

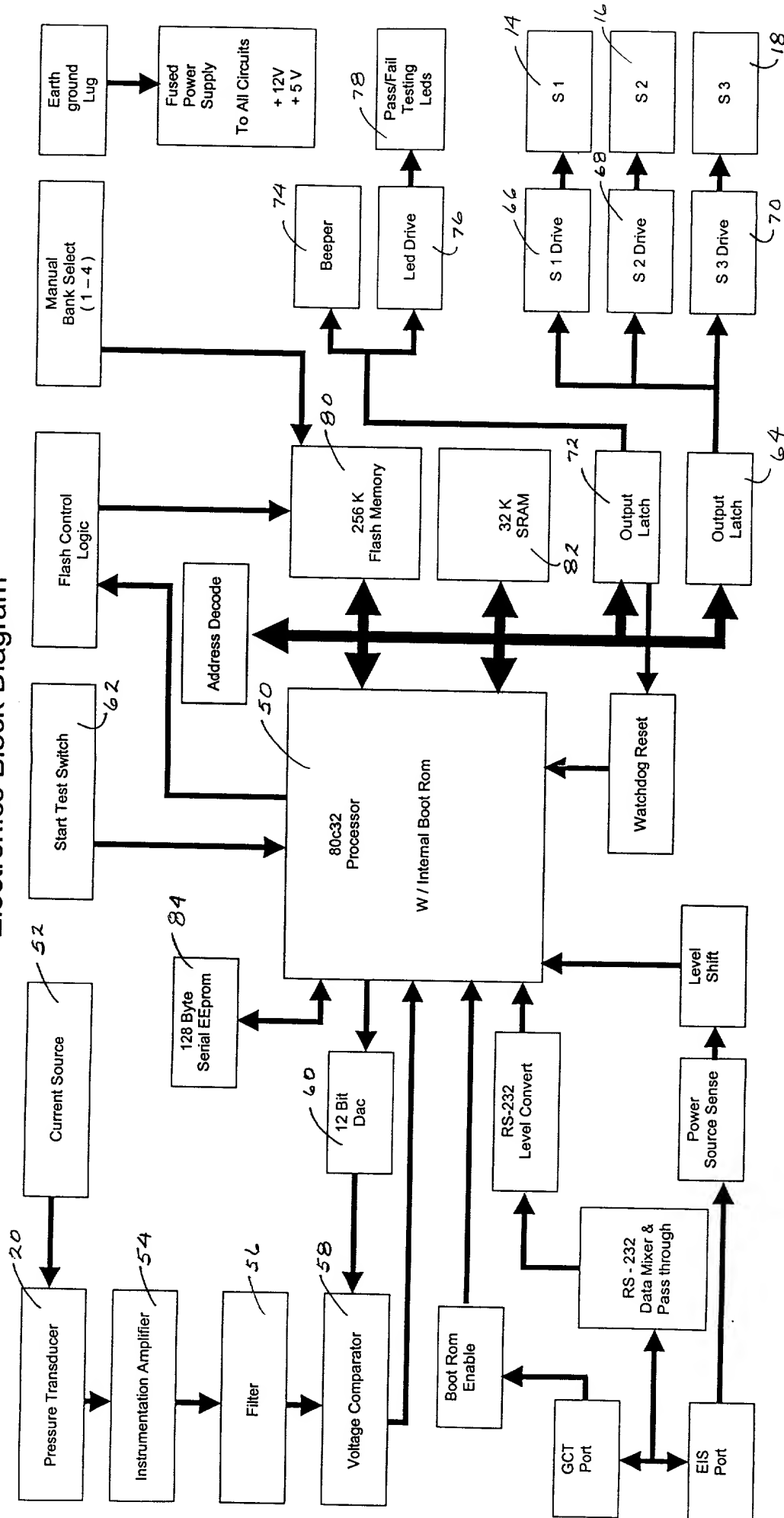
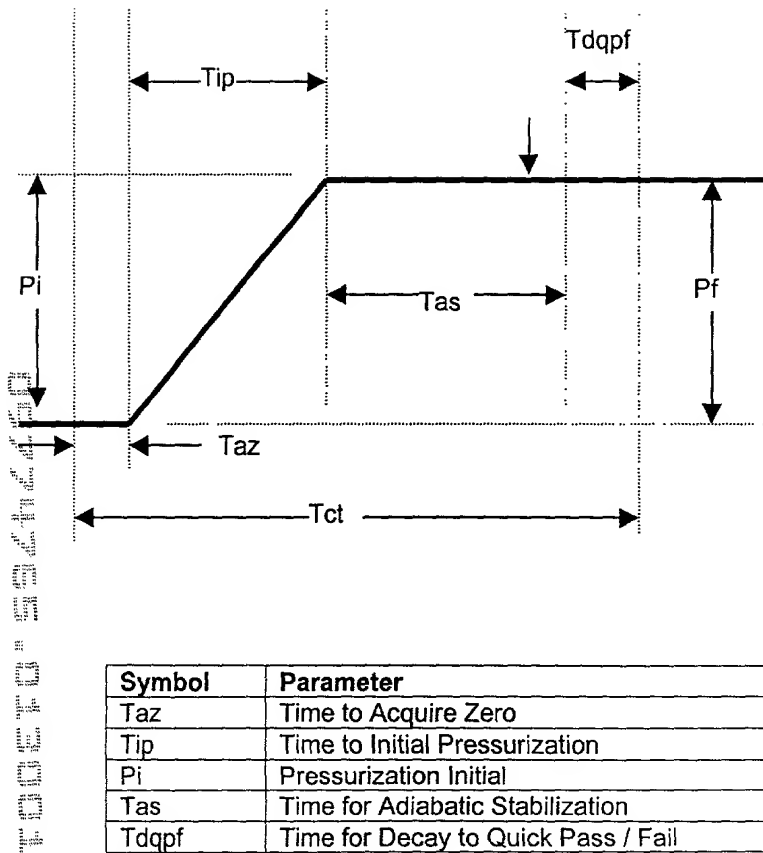
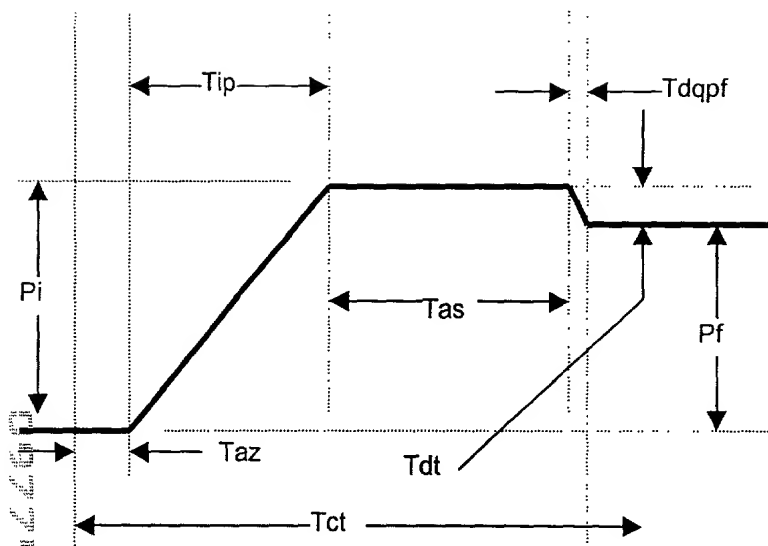


FIG. 2



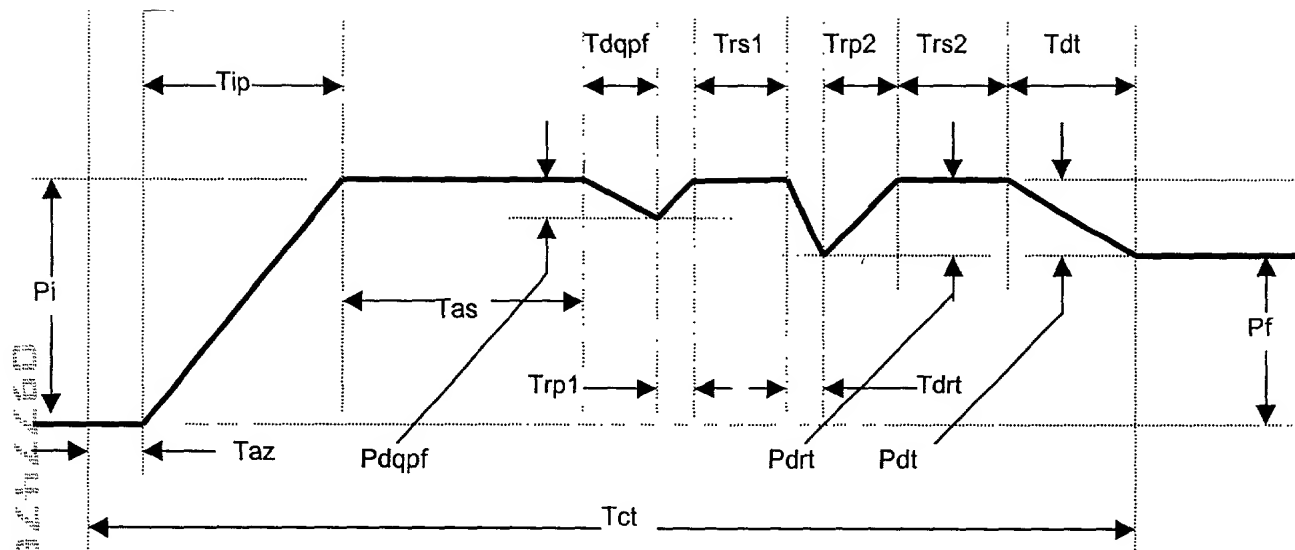
| Symbol | Parameter | Typ. | Unit |
|--------|-------------------------------------|------|------------|
| Taz | Time to Acquire Zero | 5 | Seconds |
| Tip | Time to Initial Pressurization | 60 | Seconds |
| Pi | Pressurization Initial | 14.5 | Inches H2O |
| Tas | Time for Adiabatic Stabilization | 60 | Seconds |
| Tdcpf | Time for Decay to Quick Pass / Fail | 30 | Seconds |
| Pf | Pressure Final | 14.5 | Inches H2O |
| Tct | Time to Complete Test | 155 | Seconds |

FIG. 3



| Symbol | Parameter | Typ. | Unit |
|-----------|-------------------------------------|------|-------------------------|
| T_{az} | Time to Acquire Zero | 5 | Seconds |
| T_{ip} | Time to Initial Pressurization | 60 | Seconds |
| P_i | Pressurization Initial | 14.5 | Inches H ₂ O |
| T_{as} | Time for Adiabatic Stabilization | 60 | Seconds |
| T_{dqp} | Time for Decay to Quick Pass / Fail | 5 | Seconds |
| P_{dqp} | Pressure Decay to Quick Pass / Fail | 0.75 | Inches H ₂ O |
| P_f | Pressure Final | 14.5 | Inches H ₂ O |
| T_{ct} | Time to Complete Test | 130 | Seconds |

FIG. 4



| Symbol | Parameter | Typ. | Unit |
|------------|---------------------------------------|------|-------------------------|
| T_{az} | Time to Acquire Zero | 5 | Seconds |
| T_{ip} | Time to Initial Pressurization | 60 | Seconds |
| P_i | Pressurization Initial | 14.5 | Inches H ₂ O |
| T_{as} | Time for Adiabatic Stabilization | 60 | Seconds |
| T_{dcpf} | Time for Decay to Quick Pass / Fail | 20 | Seconds |
| P_{dcpf} | Pressure Decay to Quick Pass / Fail | 0.75 | Inches H ₂ O |
| T_{rp1} | Time to Recover Pressure 1 | 5 | Seconds |
| T_{rs1} | Time to Recover Stability 1 | 30 | Seconds |
| T_{drt} | Time for Decay Reference and Tank | 20 | Seconds |
| P_{drt} | Pressure Decay for Reference and Tank | 1.5 | Inches H ₂ O |
| T_{rp2} | Time to Recover Pressure 2 | 10 | Seconds |
| T_{rs2} | Time to Recover Stability 2 | 30 | Seconds |
| T_{dt} | Time to decay Tank | 40 | Seconds |
| P_{dt} | Pressure Decay Tank | 1.5 | Inches H ₂ O |
| P_f | Pressure Final | 13.0 | Inches H ₂ O |
| T_{ct} | Time to Complete Test | 280 | Seconds |

FIG. 5